



Indiana Crop & Weather Report

United States Dept of Agriculture

Indiana Agricultural
Statistics Service

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CROP REPORT FOR WEEK ENDING JUNE 13

AGRICULTURAL SUMMARY

Heavy rain and thunderstorms, especially late in the week have caused widespread ponding and flooding of fields, according to the Indiana Agricultural Statistics Service. Significant damage to crops is expected as precipitation has been frequent the last few weeks around the state. Severe flooding is occurring along river bottoms. Large areas of many fields are under water and it may take several days for the water to subside. Planting of soybeans, baling hay and spraying chemicals took place during the week. Wheat fields continued to turn color and harvest is underway in the southern areas.

FIELD CROPS REPORT

There were 3.9 **days suitable for fieldwork**. Corn **condition** is rated 75 percent good to excellent compared with 58 percent last year at this time. Many of the early planted corn fields are now waist high. Ninety-five percent of the intended **soybean** acreage is planted compared with 83 percent last year and 92 percent for the average. Ninety percent of the soybean acreage has **emerged** compared with 67 percent last year and 82 percent for the average. By area, 97 percent of the soybean acreage is planted in the north, 98 percent in the central region and 83 percent in the south. Soybean **condition** is rated 71 percent good to excellent compared with 53 percent last year at this time

Six percent of the winter wheat acreage is **harvested** compared with 2 percent for the average. Wheat **condition** is rated 69 percent good to excellent compared with 68 percent last year at this time. Setting of **tobacco** plants is 60 percent complete compared with 45 percent last year and 65 percent for average. First cutting of **alfalfa hay** is 77 percent complete compared with 66 percent last year and 77 percent for the average.

Major activities during the week were cleaning up and repairing equipment, scouting fields, mowing roads, moving grain to market, hauling manure and taking care of livestock.

LIVESTOCK, PASTURE AND RANGE REPORT

Pasture condition is rated 19 percent excellent, 66 percent good, 12 percent fair and 3 percent poor. Livestock are in mostly good condition, but under some stress from the wet conditions.

CROP PROGRESS TABLE

Crop	This Week	Last Week	Last Year	5-Year Avg
Percent				
Soybeans Planted	95	89	83	92
Soybeans Emerged	90	83	67	82
Winter Wheat Harvested	6	0	0	2
Alfalfa First Cutting	77	55	66	77
Tobacco Plants Set	60	35	45	65

CROP CONDITION TABLE

Crop	Very Poor	Poor	Fair	Good	Excellent
Percent					
Corn	3	5	17	51	24
Soybean	3	5	21	52	19
Winter Wheat 2004	2	6	23	52	17
Pasture	0	3	12	66	19

SOIL MOISTURE & DAYS SUITABLE FOR FIELDWORK TABLE

	This Week	Last Week	Last Year
Percent			
Topsoil			
Very Short	0	0	0
Short	2	2	2
Adequate	55	67	49
Surplus	43	31	49
Subsoil			
Very Short	1	1	0
Short	5	4	4
Adequate	65	71	61
Surplus	29	24	35
Days Suitable	3.9	3.6	2.7

CONTACT INFORMATION

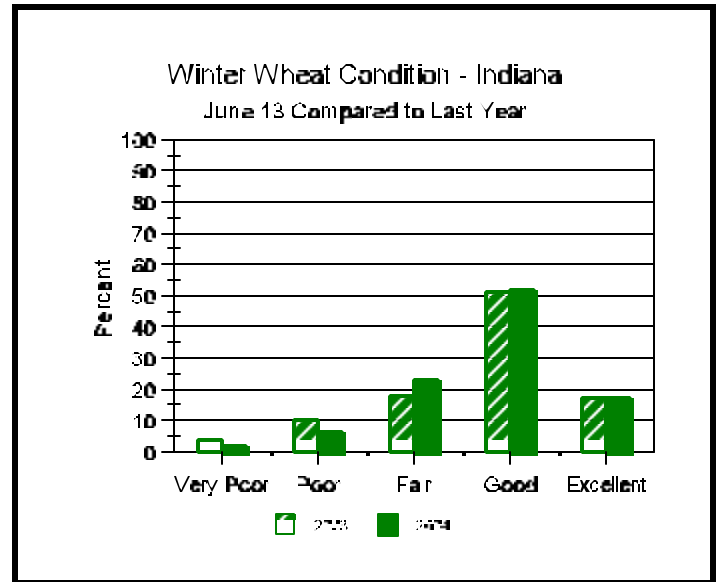
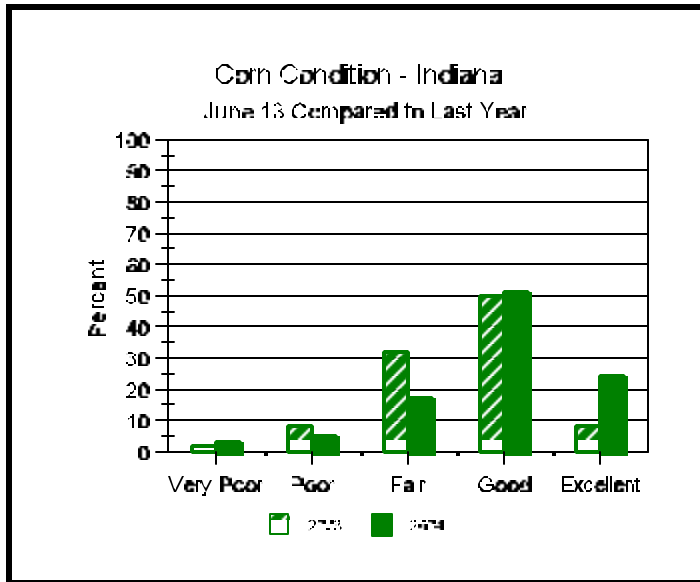
--Greg Preston, Director

--Bud Bever, Agricultural Statistician

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Crop Progress



Other Agricultural Comments And News

Excessive Rainfall and the 2004 Soybean and Wheat Crop

- The effect of wet soils and flooding on soybean and wheat.

Significant quantities of rain have fallen in the past 8 days with the heaviest amounts across the southern one-third of Indiana. Scottsburg reported rainfall in excess of 8.00 inches. Amounts in excess of 5 inches were reported for Freelandville, Grandview, Shoals and Vincennes with Dubois reporting 6.50 inches. Rainfall across the balance of the state was spotty ranging from less than one-half inch to 2.92 inches in Spencer.

The net result of all of this rain is saturated soils in much of the state with significant ponding and some flooding primarily in the river bottoms. Anytime these types of wetness problems occur, the immediate question relates to the length of time that a given crop can survive if covered by water. For soybeans, the length of time that a plant can remain completely submerged and

survive is between 2 and 4 days. The length of time is related to temperature and cloud cover. Hot, sunny conditions may result in death of the plant after 2 days while under cool, cloudy conditions soybeans may survive after 4 days or more. If a portion of the plant is exposed, soybeans have been known to survive after 7 days of partial submersion. Once the water recedes, 5 to 7 days will be required before an accurate evaluation of the condition of the plants can be made.

Both soybeans and wheat require well-aerated soils to grow vigorously. Saturated soils, with no water on the above ground portion of the plant, can result in poor root and plant growth and perhaps death from root rot diseases. After only a few days of saturated soils, expect soybean and wheat plants to become lighter green in color.

In addition to the wet soil conditions, most of the soybean crop is not yet at the V-4 stage of

(Continued on Page 4)

Weather Information Table

Week ending Sunday June 13, 2004

Station	Past Week Weather Summary Data							Accumulation				
	Air			Precip.			Avg	April 1, 2004 thru				
	Temperature						4 in	June 13, 2004				
	Hi	Lo	Avg	DFN	Total	Days	Soil	Total	DFN	Days	Total	DFN
Northwest (1)												
Chalmers_5W	92	50	73	+4	7.00	4	73	15.43	+6.20	26	865	+94
Valparaiso_AP_I	91	59	74	+7	2.19	3		8.62	-1.03	26	803	+148
Wanatah	92	59	74	+7	2.27	3	75	8.75	-0.35	30	745	+141
Wheatfield	91	59	74	+7	3.30	2		18.22	+9.27	37	796	+163
Winamac	89	59	74	+6	2.37	5	74	9.53	+0.51	31	831	+144
North Central(2)												
Plymouth	90	57	73	+4	2.88	4		11.16	+1.70	30	781	+61
South_Bend	91	58	74	+6	4.08	4		10.63	+1.84	31	850	+216
Young_America	90	60	74	+5	4.07	5		9.82	+1.02	27	918	+229
Northeast (3)												
Columbia_City	89	57	72	+5	3.20	5	73	10.67	+1.77	33	799	+203
Fort_Wayne	89	59	72	+4	2.69	4		10.61	+2.23	31	860	+191
West Central (4)												
Greencastle	87	55	73	+3	0.55	4		10.44	+0.40	31	912	+81
Perrysville	92	59	77	+7	2.22	4	79	10.72	+0.97	27	1029	+276
Spencer_Ag	89	57	75	+6	0.51	3		11.06	+0.51	31	977	+225
Terre_Haute_AFB	91	59	78	+7	0.42	3		7.78	-2.07	24	1105	+281
W_Lafayette_6NW	91	59	74	+6	8.61	4	81	15.21	+6.04	24	926	+230
Central (5)												
Eagle_Creek_AP	87	59	75	+5	1.58	3		8.77	-0.38	29	1002	+188
Greenfield	88	59	74	+5	2.06	4		9.20	-0.54	28	948	+192
Indianapolis_AP	89	61	77	+6	1.61	4		10.91	+1.76	30	1071	+257
Indianapolis_SE	88	59	75	+5	1.05	4		8.69	-0.83	27	967	+178
Tipton_Ag	89	59	74	+6	4.76	3	76	10.01	+0.84	25	886	+232
East Central (6)												
Farmland	89	59	74	+6	2.89	4	73	10.91	+1.74	34	890	+260
New_Castle	86	56	72	+4	4.40	3		12.21	+2.00	25	780	+132
Southwest (7)												
Evansville	91	62	79	+6	0.65	2		12.35	+2.04	25	1249	+236
Freelandville	90	62	77	+6	0.45	2		9.35	-1.21	27	1087	+224
Shoals	91	59	77	+7	1.89	1		14.41	+3.27	30	1098	+271
Stendal	91	64	77	+5	0.74	2		13.81	+2.30	27	1173	+244
Vincennes_5NE	91	62	77	+6	1.22	4		11.93	+1.37	34	1152	+289
South Central(8)												
Leavenworth	89	61	76	+6	1.94	4		17.96	+6.78	33	1088	+256
Oolitic	89	60	76	+7	1.23	3	79	12.34	+1.79	32	1006	+235
Tell_City	91	66	78	+6	1.91	3		16.19	+4.84	31	1263	+318
Southeast (9)												
Brookville	90	57	74	+6	0.85	3		9.80	-0.26	28	967	+270
Milan_5NE	88	58	74	+6	1.75	4		13.20	+3.14	40	978	+281
Scottsburg	89	57	76	+5	0.82	2		19.76	+9.54	32	1061	+199

DFN = Departure From Normal (Using 1961-90 Normals Period).

GDD = Growing Degree Days.

Precipitation (Rainfall or melted snow/ice) in inches.

Precipitation Days = Days with precip of .01 inch or more.

Air Temperatures in Degrees Fahrenheit.

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Excessive Rainfall and the 2004 Soybean and Wheat Crop (Continued)

growth and are not fixing an adequate supply of nitrogen for the plant, hence the light green color. Once the excess water drains from the soil, 10 to 14 days will be required for the nodules to reestablish and begin fixing adequate nitrogen to meet the needs of the plant.

At the current stage of growth, wheat can survive

ponding or flooding for 2 to 4 days provided the head is not covered. If the head is covered with water, they usually mold or rot as a result and those areas of a field are usually a total loss.

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